Pezzuto, Helen

From: Fuller, Kathleen
Sent: Tuesday, October 31, 2006 2:51 PM
To: Pezzuto, Helen
Subject: 10/670478

pez870.rtf

The first 10 answers printed are the applicants with the same application number as this application. Notice that the structures indexed show 3 or more monomers per polymer, not the combinations of monomer shown for blocks 1, 2 and 3 on pages 21-24. Claims 15 and 39 do claim that the block polymer must be one of 5 listed. I did search for this within the structure search I did. I did a broad search for all possible acrylates, limited the results to acrylates and to 3 or more monomers. In CA I used the keywords you suggested and limited by prep and date for 82 CA references I printed only one structure per reference because there were over 300 hit structures from the 82 answers. Answers 5,6 and 7 look good but the dates are not good. At the end of the 82 references are 10 more references from the polymers indexed for the applicants. Answers 1 and 2 are good but again the dates are not.

Kathleen Fuller
team leader EIC1700
Remsen 4B28
571/272-2505

Pezzuto, Helen

From: STIC-EIC1700@uspto.gov
Sent: Friday, October 20, 2006 8:38 PM
To: Pezzuto, Helen
Subject: Database Search Request Confirmation, Serial Number: 10/670,478

Examiner HELEN PEZZUTO:

This is a machine-generated confirmation email to let you know that your search request has been sent to EIC TC1700.

Searches are processed in the order in which they are received. Upon receiving your request, a searcher will contact you to discuss your search. You will be notified again when your search is completed. At that time, you may pick up your search in the EIC. If you prefer, the search will be delivered directly to your office. Deliveries are made twice a day, once in the midmorning and again in the afternoon.

If you have any immediate questions you can contact us at 571-272-2520.

Thank you very much for using the EIC. The text of your request is below.

Your name: **HELEN PEZZUTO**
Email address: **HELEN.PEZZUTO@USPTO.GOV**
Employee number: **70058**
Art Unit: **GROUP ART UNIT 1713**
Office Location: **REM 10A11**
Phone Number: **(571)272-1108**
Maibox Number:

Case serial number: **10/670,478**
Class / Subclass(es): **525/242, 294, 296, 301, 302, 308**
Earliest Priority Filing Date: **9/26/02**
Format preferred for results: **E-mail**
Search Topic Information:

Please search a "triblock" polymer in the broadest as set forth in claim 1, containing a first block, a second block and a compatibilizing "intermediate" block (i.e. (A)-(AB)-(B)). In the simplest term, the triblock polymer contains 2 homopolymers on the ends as first(A) and second (B) blocks, with an intermediate copolymer block (AB) that contains at least one monomer unit from first and second blocks. The elected triblock species is Example 1 on Page 24, wherein 1st block is methyl methacrylate/acrylic acid copolymer, the 2nd block is methyl acrylate homopolymer, and the intermediate block is methyl methacrylate/acid acid/methyl acrylate copolymer. Please search for this species, then the other 7 embodiments (8 variants total) listed on pages 21-24 (attached or will try to fax the 8 embodiments with the respective block consitiuents).

Special Instructions and Other Comments:

Key words: triblock/polyblock polymer, high/low glass transition (Tg) block, compatibilizing/incompatibilizing. Please give request to Ms. K. Fuller. Many thanks!

```
=>  d his ful

     (FILE 'HOME' ENTERED AT 10:54:59 ON 31 OCT 2006)

     FILE 'HCAPLUS' ENTERED AT 10:55:15 ON 31 OCT 2006
                E US2003-670478/PRN,AP
L1            10 SEA ABB=ON  US2003-670478/AP
                D ALL 1-10
                SEL RN 1-10

     FILE 'REGISTRY' ENTERED AT 10:59:11 ON 31 OCT 2006
L2            47 SEA ABB=ON  (676542-28-2/BI OR 676542-29-3/BI OR 676542-30-6/BI
                 OR 107-51-7/BI OR 141-62-8/BI OR 17955-88-3/BI OR 1873-90-1/BI
                 OR 27155-22-2/BI OR 31807-55-3/BI OR 34464-38-5/BI OR
                540-97-6/BI OR 541-02-6/BI OR 556-67-2/BI OR 60908-77-2/BI OR
                676542-31-7/BI OR 676546-89-7/BI OR 676619-29-7/BI OR 10323-20-
                3/BI OR 107-92-6/BI OR 109-52-4/BI OR 126-13-6/BI OR 149-32-6/B
                I OR 220208-71-9/BI OR 31900-57-9/BI OR 3458-28-4/BI OR
                50-69-1/BI OR 50-70-4/BI OR 50-99-7/BI OR 57-48-7/BI OR
                57-50-1/BI OR 57271-36-0/BI OR 58-86-6/BI OR 59-23-4/BI OR
                63-42-3/BI OR 64-19-7/BI OR 65-85-0/BI OR 676597-60-7/BI OR
                69-79-4/BI OR 74-85-1/BI OR 79-09-4/BI OR 79-31-2/BI OR
                87-99-0/BI OR 9000-01-5/BI OR 9002-88-4/BI OR 9004-34-6/BI OR
                9005-12-3/BI OR 9016-00-6/BI)
                D SCAN

     FILE 'STNGUIDE' ENTERED AT 10:59:57 ON 31 OCT 2006

     FILE 'HCAPLUS' ENTERED AT 11:31:03 ON 31 OCT 2006
L3             0 SEA ABB=ON  L1 AND (TG OT GLASS?(2A)TRAS?)
L4             0 SEA ABB=ON  L1 AND (TG OR GLASS?(2A)TRAS?)
L5             9 SEA ABB=ON  L1 AND (TG OR GLASS?(2A)TRANS?)
                D HIT

     FILE 'REGISTRY' ENTERED AT 11:32:29 ON 31 OCT 2006
L6                STR
L7                SCR 2043
                  DIS
L8            50 SEA SSS SAM L6 AND L7
L9            14 SEA ABB=ON  L2 AND PMS/CI
                  D
L10       291341 SEA SSS FUL L6 AND L7
                  SAVE TEMP L10 PEZ670/A
L11       329208 SEA ABB=ON  PACR/PCT
L12       284276 SEA ABB=ON  L10 AND L11
L13            7 SEA ABB=ON  L2 AND L12
L14       214654 SEA ABB=ON  L12 AND 3-10/NC
                  D PCT 1-5
L15       154969 SEA ABB=ON  L14 NOT PSTY/PCT
                  D PCT 1-5
L16       154969 SEA ABB=ON  L15 NOT EO/PCT
L17       148923 SEA ABB=ON  L15 NOT EP/PCT

     FILE 'HCAPLUS' ENTERED AT 11:47:49 ON 31 OCT 2006
L18       102096 SEA ABB=ON  L17
L19         1418 SEA ABB=ON  L18(L)BLOCK
L20         1970 SEA ABB=ON  L18(L)BLOCK?
L21         1167 SEA ABB=ON  L20(L)PREP/RL
L22         4788 SEA ABB=ON  L18 AND ?BLOCK?(4A)?POLYMER?
```

```
L23        44488 SEA ABB=ON  L18(L)PREP/RL
L24         2689 SEA ABB=ON  L22 AND L23
L25         2806 SEA ABB=ON  L21 OR L24
L26            1 SEA ABB=ON  L1 AND L25
L27           10 SEA ABB=ON  L18 AND L1
L28            1 SEA ABB=ON  L22 AND L27
L29           10 SEA ABB=ON  L23 AND L27
L30          249 SEA ABB=ON  L25 AND (TG OR GLASS?(2A)TRANS?)
                 D HIT
L31           48 SEA ABB=ON  L25 AND (TG OR GLASS?(2A)TRANS?)(4A)(20 OR 40)
                 D TI HIT FHITSTR 1-2
L*** DEL       2 S L23 AND BLCOK?
L32         3614 SEA ABB=ON  L23 AND BLOCK?
L33            0 SEA ABB=ON  L32 AND PLASTIC//SC,SX
L34         1647 SEA ABB=ON  L32 AND PLASTIC?/SC,SX
L35           32 SEA ABB=ON  L34 AND (TG OR GLASS?(2A)TRANS?)(4A)(20 OR 40)
L36            0 SEA ABB=ON  L1 AND L35
L37            0 SEA ABB=ON  L31 AND L1
L38           60 SEA ABB=ON  L31 OR L35
                 D TI FHITSTR 1-4

     FILE 'REGISTRY' ENTERED AT 12:07:48 ON 31 OCT 2006
                 E ISOBORNYL METHACRYLATE/CN
L39            1 SEA ABB=ON  "ISOBORNYL METHACRYLATE"/CN
                 D SCAN
                 D RN
L40         1742 SEA ABB=ON  7534-94-3/CRN
                 E ISOBORNYL ACRYLATE/CN
L41            1 SEA ABB=ON  "ISOBORNYL ACRYLATE"/CN
                 D SCAN
                 D RN
L42         2250 SEA ABB=ON  5888-33-5/CRN
L43        73774 SEA ABB=ON  80-62-6/CRN
L44        46517 SEA ABB=ON  141-32-2/CRN
L45        18796 SEA ABB=ON  103-11-7/CRN
L46        60673 SEA ABB=ON  (L40 OR (L42 OR L43 OR L44 OR L45)) AND  L17

     FILE 'HCAPLUS' ENTERED AT 12:12:01 ON 31 OCT 2006
L47        52474 SEA ABB=ON  L46
L48           10 SEA ABB=ON  L1 AND L47
L49         4384 SEA ABB=ON  L47 AND ?BLOCK?
L50        22265 SEA ABB=ON  L47 (L)PREP/RL
L51         2324 SEA ABB=ON  L49 AND L50
L52          306 SEA ABB=ON  L51 AND (TG OR GLASS?(2A)TRANS?)
L53          147 SEA ABB=ON  L52 AND PLASTIC?/SC,SX
L54           12 SEA ABB=ON  L53 AND ?COMPATI?
                 D HIT
L55          284 SEA ABB=ON  L50 AND (TRIBLOCK? OR POLYBLOCK?)
L56           29 SEA ABB=ON  L52 AND L55
L57           15 SEA ABB=ON  L53 AND L56
                 D HIT
L58          487 SEA ABB=ON  L23 AND (TRIBLOCK? OR POLYBLOCK?)
L59          301 SEA ABB=ON  L23 AND (TRIBLOCK? OR POLYBLOCK?)(3A)?POLYMER?
L60          126 SEA ABB=ON  L59 AND PLASTIC?/SC,SX
L61           19 SEA ABB=ON  L60 AND (TG OR GLASS?(2A)TRANS? OR ?COMPATI?)
L62           94 SEA ABB=ON  L54 OR L57 OR L61 OR L38
L63           82 SEA ABB=ON  L62 AND (1840-2003)/PRY,AY,PY
L64            0 SEA ABB=ON  L1 AND L63
L65            0 SEA ABB=ON  L62 AND L1
L66        38640 SEA ABB=ON  L23 AND (1840-2003)/PRY,AY,PY
```

```
L67          10 SEA ABB=ON  L27 AND (1840-2003)/PRY,AY,PY
L68          92 SEA ABB=ON  L63 OR L67
                SEL HIT RN L63 1-82
                DEL SEL
                SET COST OFF

     FILE 'REGISTRY' ENTERED AT 12:26:08 ON 31 OCT 2006

     FILE 'HCAPLUS' ENTERED AT 12:26:13 ON 31 OCT 2006
                D QUE L67
                D L67 BIB ABS HITIND HITSTR 1-10
                D QUE L63
                SEL HIT RN L63 1-82
                D L63 BIB ABS HITIND FHITSTR 1-82
                D QUE L63
                D COST
L69         104 SEA ABB=ON  L13
L70          49 SEA ABB=ON  L69(L)PREP/RL
L71          49 SEA ABB=ON  L2 AND L70
L72          19 SEA ABB=ON  L70 AND ?BLOCK?
L73           1 SEA ABB=ON  L1 AND L72
L74           1 SEA ABB=ON  L72 AND L67
L75         108 SEA ABB=ON  L68 OR L72
L76         102 SEA ABB=ON  L75 AND (1840-2003)/PRY,AY,PY
L77          10 SEA ABB=ON  L76 NOT (L68 OR L67)
                D SCAN TI
                D FHITSTR
                D QUE
                D L77 BIB ABS HITIND HITSTR 1-10


     FILE HOME

     FILE HCAPLUS

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     FILE COVERS 1907 - 31 Oct 2006  VOL 145 ISS 19
     FILE LAST UPDATED: 30 Oct 2006  (20061030/ED)

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      This file contains CAS Registry Numbers for easy and accurate
      substance identification.

     FILE REGISTRY
     Property values tagged with IC are from the ZIC/VINITI data file
     provided by InfoChem.

     STRUCTURE FILE UPDATES:   30 OCT 2006  HIGHEST RN 911633-89-1
     DICTIONARY FILE UPDATES:  30 OCT 2006  HIGHEST RN 911633-89-1
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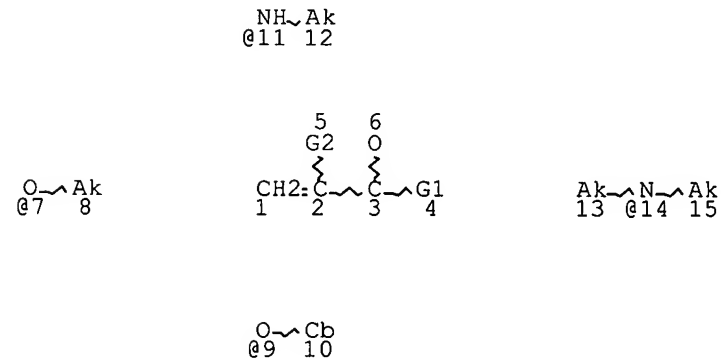
http://www.cas.org/ONLINE/UG/regprops.html

FILE STNGUIDE
FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Oct 27, 2006 (20061027/UP).

```
=> d que
L1            10 SEA FILE=HCAPLUS ABB=ON  US2003-670478/AP
L2            47 SEA FILE=REGISTRY ABB=ON  (676542-28-2/BI OR 676542-29-3/BI OR
                 676542-30-6/BI OR 107-51-7/BI OR 141-62-8/BI OR 17955-88-3/BI
                 OR 1873-90-1/BI OR 27155-22-2/BI OR 31807-55-3/BI OR 34464-38-5
                 /BI OR 540-97-6/BI OR 541-02-6/BI OR 556-67-2/BI OR 60908-77-2/
                 BI OR 676542-31-7/BI OR 676546-89-7/BI OR 676619-29-7/BI OR
                 10323-20-3/BI OR 107-92-6/BI OR 109-52-4/BI OR 126-13-6/BI OR
                 149-32-6/BI OR 220208-71-9/BI OR 31900-57-9/BI OR 3458-28-4/BI
                 OR 50-69-1/BI OR 50-70-4/BI OR 50-99-7/BI OR 57-48-7/BI OR
                 57-50-1/BI OR 57271-36-0/BI OR 58-86-6/BI OR 59-23-4/BI OR
                 63-42-3/BI OR 64-19-7/BI OR 65-85-0/BI OR 676597-60-7/BI OR
                 69-79-4/BI OR 74-85-1/BI OR 79-09-4/BI OR 79-31-2/BI OR
                 87-99-0/BI OR 9000-01-5/BI OR 9002-88-4/BI OR 9004-34-6/BI OR
                 9005-12-3/BI OR 9016-00-6/BI)
L6                STR
```




```
VAR G1=7/9/NH2/11/14
VAR G2=H/CH3
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
GGCAT   IS SAT  AT  10
DEFAULT ECLEVEL IS LIMITED
ECOUNT  IS M1-X12 C  AT   8

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
```

NUMBER OF NODES IS 15

STEREO ATTRIBUTES: NONE

L7		SCR 2043	
L10	291341	SEA FILE=REGISTRY SSS FUL	L6 AND L7
L11	329208	SEA FILE=REGISTRY ABB=ON	PACR/PCT
L12	284276	SEA FILE=REGISTRY ABB=ON	L10 AND L11
L13	7	SEA FILE=REGISTRY ABB=ON	L2 AND L12
L14	214654	SEA FILE=REGISTRY ABB=ON	L12 AND 3-10/NC
L15	154969	SEA FILE=REGISTRY ABB=ON	L14 NOT PSTY/PCT
L17	148923	SEA FILE=REGISTRY ABB=ON	L15 NOT EP/PCT
L18	102096	SEA FILE=HCAPLUS ABB=ON	L17
L20	1970	SEA FILE=HCAPLUS ABB=ON	L18(L)BLOCK?
L21	1167	SEA FILE=HCAPLUS ABB=ON	L20(L)PREP/RL
L22	4788	SEA FILE=HCAPLUS ABB=ON	L18 AND ?BLOCK?(4A)?POLYMER?
L23	44488	SEA FILE=HCAPLUS ABB=ON	L18(L)PREP/RL
L24	2689	SEA FILE=HCAPLUS ABB=ON	L22 AND L23
L25	2806	SEA FILE=HCAPLUS ABB=ON	L21 OR L24
L27	10	SEA FILE=HCAPLUS ABB=ON	L18 AND L1
L31	48	SEA FILE=HCAPLUS ABB=ON	L25 AND (TG OR GLASS?(2A)TRANS?)(4A)(20 OR 40)
L32	3614	SEA FILE=HCAPLUS ABB=ON	L23 AND BLOCK?
L34	1647	SEA FILE=HCAPLUS ABB=ON	L32 AND PLASTIC?/SC,SX
L35	32	SEA FILE=HCAPLUS ABB=ON	L34 AND (TG OR GLASS?(2A)TRANS?)(4A)(20 OR 40)
L38	60	SEA FILE=HCAPLUS ABB=ON	L31 OR L35
L40	1742	SEA FILE=REGISTRY ABB=ON	7534-94-3/CRN
L42	2250	SEA FILE=REGISTRY ABB=ON	5888-33-5/CRN
L43	73774	SEA FILE=REGISTRY ABB=ON	80-62-6/CRN
L44	46517	SEA FILE=REGISTRY ABB=ON	141-32-2/CRN
L45	18796	SEA FILE=REGISTRY ABB=ON	103-11-7/CRN
L46	60673	SEA FILE=REGISTRY ABB=ON	(L40 OR (L42 OR L43 OR L44 OR L45)) AND L17
L47	52474	SEA FILE=HCAPLUS ABB=ON	L46
L49	4384	SEA FILE=HCAPLUS ABB=ON	L47 AND ?BLOCK?
L50	22265	SEA FILE=HCAPLUS ABB=ON	L47 (L)PREP/RL
L51	2324	SEA FILE=HCAPLUS ABB=ON	L49 AND L50
L52	306	SEA FILE=HCAPLUS ABB=ON	L51 AND (TG OR GLASS?(2A)TRANS?)
L53	147	SEA FILE=HCAPLUS ABB=ON	L52 AND PLASTIC?/SC,SX
L54	12	SEA FILE=HCAPLUS ABB=ON	L53 AND ?COMPATI?
L55	284	SEA FILE=HCAPLUS ABB=ON	L50 AND (TRIBLOCK? OR POLYBLOCK?)
L56	29	SEA FILE=HCAPLUS ABB=ON	L52 AND L55
L57	15	SEA FILE=HCAPLUS ABB=ON	L53 AND L56
L59	301	SEA FILE=HCAPLUS ABB=ON	L23 AND (TRIBLOCK? OR POLYBLOCK?)(3A)?POLYMER?
L60	126	SEA FILE=HCAPLUS ABB=ON	L59 AND PLASTIC?/SC,SX
L61	19	SEA FILE=HCAPLUS ABB=ON	L60 AND (TG OR GLASS?(2A)TRANS? OR ?COMPATI?)
L62	94	SEA FILE=HCAPLUS ABB=ON	L54 OR L57 OR L61 OR L38
L63	82	SEA FILE=HCAPLUS ABB=ON	L62 AND (1840-2003)/PRY,AY,PY
L67	10	SEA FILE=HCAPLUS ABB=ON	L27 AND (1840-2003)/PRY,AY,PY
L68	92	SEA FILE=HCAPLUS ABB=ON	L63 OR L67
L69	104	SEA FILE=HCAPLUS ABB=ON	L13
L70	49	SEA FILE=HCAPLUS ABB=ON	L69(L)PREP/RL
L72	19	SEA FILE=HCAPLUS ABB=ON	L70 AND ?BLOCK?
L75	108	SEA FILE=HCAPLUS ABB=ON	L68 OR L72
L76	102	SEA FILE=HCAPLUS ABB=ON	L75 AND (1840-2003)/PRY,AY,PY
L77	10	SEA FILE=HCAPLUS ABB=ON	L76 NOT (L68 OR L67)

```
=> d cost
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CONNECT CHARGES                                         76.57     253.04
NETWORK CHARGES                                          1.86      11.10
SEARCH CHARGES                                           0.00     213.74
DISPLAY CHARGES                                        563.81     649.85
                                                       -------   -------
FULL ESTIMATED COST                                    642.24    1127.73

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                    -76.50     -87.75

IN FILE 'HCAPLUS' AT 14:21:52 ON 31 OCT 2006


=> log h
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                    644.77    1130.26

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                    -76.50     -87.75

 SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 14:22:32 ON 31 OCT 2006
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=> file reg
FILE 'REGISTRY' ENTERED AT 12:26:08 ON 31 OCT 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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STRUCTURE FILE UPDATES: 30 OCT 2006 HIGHEST RN 911633-89-1
DICTIONARY FILE UPDATES: 30 OCT 2006 HIGHEST RN 911633-89-1

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experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

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=> file hcapl
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FILE COVERS 1907 - 31 Oct 2006 VOL 145 ISS 19
FILE LAST UPDATED: 30 Oct 2006 (20061030/ED)

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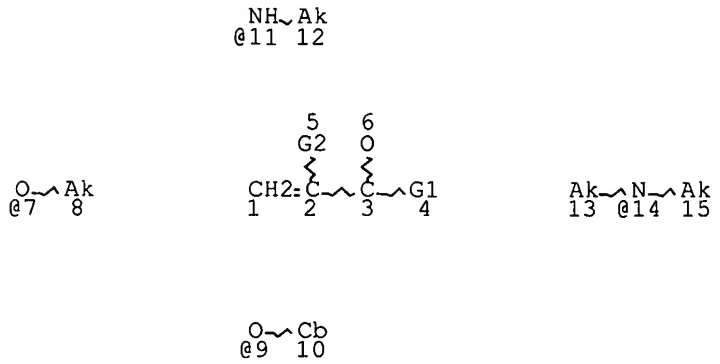
substance identification.

=> d que l67
L1 10 SEA FILE=HCAPLUS ABB=ON US2003-670478/AP
L6 STR



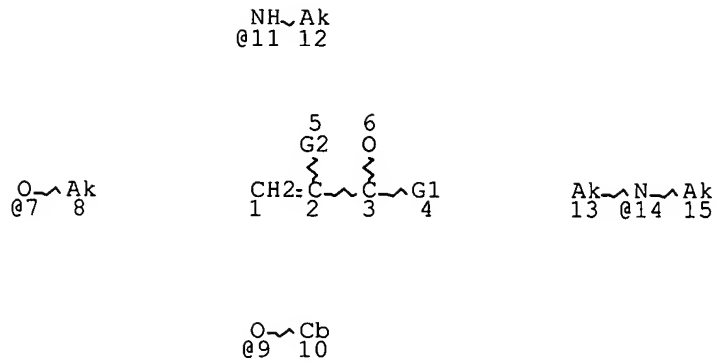
VAR G1=7/9/NH2/11/14
VAR G2=H/CH3
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
GGCAT IS SAT AT 10
DEFAULT ECLEVEL IS LIMITED
ECOUNT IS M1-X12 C AT 8

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 15

STEREO ATTRIBUTES: NONE

L7	SCR 2043	
L10	291341	SEA FILE=REGISTRY SSS FUL L6 AND L7
L11	329208	SEA FILE=REGISTRY ABB=ON PACR/PCT
L12	284276	SEA FILE=REGISTRY ABB=ON L10 AND L11
L14	214654	SEA FILE=REGISTRY ABB=ON L12 AND 3-10/NC
L15	154969	SEA FILE=REGISTRY ABB=ON L14 NOT PSTY/PCT
L17	148923	SEA FILE=REGISTRY ABB=ON L15 NOT EP/PCT
L18	102096	SEA FILE=HCAPLUS ABB=ON L17
L27	10	SEA FILE=HCAPLUS ABB=ON L18 AND L1
L67	10	SEA FILE=HCAPLUS ABB=ON L27 AND (1840-2003)/PRY,AY,PY

=> d que l63
L6 STR



VAR G1=7/9/NH2/11/14
VAR G2=H/CH3
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
GGCAT IS SAT AT 10
DEFAULT ECLEVEL IS LIMITED
ECOUNT IS M1-X12 C AT 8

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 15

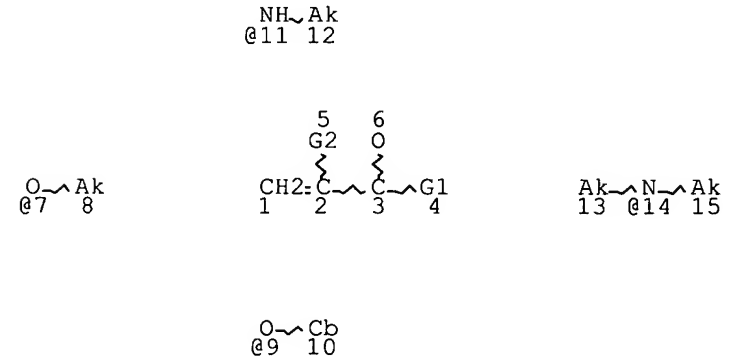
STEREO ATTRIBUTES: NONE

L7		SCR 2043
L10	291341	SEA FILE=REGISTRY SSS FUL L6 AND L7
L11	329208	SEA FILE=REGISTRY ABB=ON PACR/PCT
L12	284276	SEA FILE=REGISTRY ABB=ON L10 AND L11
L14	214654	SEA FILE=REGISTRY ABB=ON L12 AND 3-10/NC
L15	154969	SEA FILE=REGISTRY ABB=ON L14 NOT PSTY/PCT
L17	148923	SEA FILE=REGISTRY ABB=ON L15 NOT EP/PCT
L18	102096	SEA FILE=HCAPLUS ABB=ON L17
L20	1970	SEA FILE=HCAPLUS ABB=ON L18(L)BLOCK?
L21	1167	SEA FILE=HCAPLUS ABB=ON L20(L)PREP/RL
L22	4788	SEA FILE=HCAPLUS ABB=ON L18 AND ?BLOCK?(4A)?POLYMER?
L23	44488	SEA FILE=HCAPLUS ABB=ON L18(L)PREP/RL
L24	2689	SEA FILE=HCAPLUS ABB=ON L22 AND L23
L25	2806	SEA FILE=HCAPLUS ABB=ON L21 OR L24
L31	48	SEA FILE=HCAPLUS ABB=ON L25 AND (TG OR GLASS?(2A)TRANS?)(4A)(20 OR 40)
L32	3614	SEA FILE=HCAPLUS ABB=ON L23 AND BLOCK?
L34	1647	SEA FILE=HCAPLUS ABB=ON L32 AND PLASTIC?/SC,SX
L35	32	SEA FILE=HCAPLUS ABB=ON L34 AND (TG OR GLASS?(2A)TRANS?)(4A)(20 OR 40)
L38	60	SEA FILE=HCAPLUS ABB=ON L31 OR L35
L40	1742	SEA FILE=REGISTRY ABB=ON 7534-94-3/CRN
L42	2250	SEA FILE=REGISTRY ABB=ON 5888-33-5/CRN
L43	73774	SEA FILE=REGISTRY ABB=ON 80-62-6/CRN
L44	46517	SEA FILE=REGISTRY ABB=ON 141-32-2/CRN
L45	18796	SEA FILE=REGISTRY ABB=ON 103-11-7/CRN
L46	60673	SEA FILE=REGISTRY ABB=ON (L40 OR (L42 OR L43 OR L44 OR L45)) AND L17
L47	52474	SEA FILE=HCAPLUS ABB=ON L46

```
L49         4384 SEA FILE=HCAPLUS ABB=ON  L47 AND ?BLOCK?
L50        22265 SEA FILE=HCAPLUS ABB=ON  L47 (L)PREP/RL
L51         2324 SEA FILE=HCAPLUS ABB=ON  L49 AND L50
L52          306 SEA FILE=HCAPLUS ABB=ON  L51 AND (TG OR GLASS?(2A)TRANS?)
L53          147 SEA FILE=HCAPLUS ABB=ON  L52 AND PLASTIC?/SC,SX
L54           12 SEA FILE=HCAPLUS ABB=ON  L53 AND ?COMPATI?
L55          284 SEA FILE=HCAPLUS ABB=ON  L50 AND (TRIBLOCK? OR POLYBLOCK?)
L56           29 SEA FILE=HCAPLUS ABB=ON  L52 AND L55
L57           15 SEA FILE=HCAPLUS ABB=ON  L53 AND L56
L59          301 SEA FILE=HCAPLUS ABB=ON  L23 AND (TRIBLOCK? OR POLYBLOCK?)(3A)?
                 POLYMER?
L60          126 SEA FILE=HCAPLUS ABB=ON  L59 AND PLASTIC?/SC,SX
L61           19 SEA FILE=HCAPLUS ABB=ON  L60 AND (TG OR GLASS?(2A)TRANS? OR
                 ?COMPATI?)
L62           94 SEA FILE=HCAPLUS ABB=ON  L54 OR L57 OR L61 OR L38
L63           82 SEA FILE=HCAPLUS ABB=ON  L62 AND (1840-2003)/PRY,AY,PY


=>  sel hit rn l63 1-82
E1 THROUGH E330 ASSIGNED
```

```
=> => d que
L1            10 SEA FILE=HCAPLUS ABB=ON  US2003-670478/AP
L2            47 SEA FILE=REGISTRY ABB=ON  (676542-28-2/BI OR 676542-29-3/BI OR
                 676542-30-6/BI OR 107-51-7/BI OR 141-62-8/BI OR 17955-88-3/BI
                 OR 1873-90-1/BI OR 27155-22-2/BI OR 31807-55-3/BI OR 34464-38-5
                 /BI OR 540-97-6/BI OR 541-02-6/BI OR 556-67-2/BI OR 60908-77-2/
                 BI OR 676542-31-7/BI OR 676546-89-7/BI OR 676619-29-7/BI OR
                 10323-20-3/BI OR 107-92-6/BI OR 109-52-4/BI OR 126-13-6/BI OR
                 149-32-6/BI OR 220208-71-9/BI OR 31900-57-9/BI OR 3458-28-4/BI
                 OR 50-69-1/BI OR 50-70-4/BI OR 50-99-7/BI OR 57-48-7/BI OR
                 57-50-1/BI OR 57271-36-0/BI OR 58-86-6/BI OR 59-23-4/BI OR
                 63-42-3/BI OR 64-19-7/BI OR 65-85-0/BI OR 676597-60-7/BI OR
                 69-79-4/BI OR 74-85-1/BI OR 79-09-4/BI OR 79-31-2/BI OR
                 87-99-0/BI OR 9000-01-5/BI OR 9002-88-4/BI OR 9004-34-6/BI OR
                 9005-12-3/BI OR 9016-00-6/BI)
L6            STR
```




```
VAR G1=7/9/NH2/11/14
VAR G2=H/CH3
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
GGCAT   IS SAT  AT  10
DEFAULT ECLEVEL IS LIMITED
ECOUNT  IS M1-X12 C  AT   8

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  15

STEREO ATTRIBUTES: NONE
L7            SCR 2043
L10      291341 SEA FILE=REGISTRY SSS FUL L6 AND L7
L11      329208 SEA FILE=REGISTRY ABB=ON  PACR/PCT
L12      284276 SEA FILE=REGISTRY ABB=ON  L10 AND L11
L13           7 SEA FILE=REGISTRY ABB=ON  L2 AND L12
L14      214654 SEA FILE=REGISTRY ABB=ON  L12 AND 3-10/NC
L15      154969 SEA FILE=REGISTRY ABB=ON  L14 NOT PSTY/PCT
L17      148923 SEA FILE=REGISTRY ABB=ON  L15 NOT EP/PCT
L18      102096 SEA FILE=HCAPLUS ABB=ON  L17
L20        1970 SEA FILE=HCAPLUS ABB=ON  L18(L)BLOCK?
L21        1167 SEA FILE=HCAPLUS ABB=ON  L20(L)PREP/RL
L22        4788 SEA FILE=HCAPLUS ABB=ON  L18 AND ?BLOCK?(4A)?POLYMER?
L23       44488 SEA FILE=HCAPLUS ABB=ON  L18(L)PREP/RL
L24        2689 SEA FILE=HCAPLUS ABB=ON  L22 AND L23
```

```
L25        2806 SEA FILE=HCAPLUS ABB=ON  L21 OR L24
L27          10 SEA FILE=HCAPLUS ABB=ON  L18 AND L1
L31          48 SEA FILE=HCAPLUS ABB=ON  L25 AND (TG OR GLASS?(2A)TRANS?)(4A)(2
                0 OR 40)
L32        3614 SEA FILE=HCAPLUS ABB=ON  L23 AND BLOCK?
L34        1647 SEA FILE=HCAPLUS ABB=ON  L32 AND PLASTIC?/SC,SX
L35          32 SEA FILE=HCAPLUS ABB=ON  L34 AND (TG OR GLASS?(2A)TRANS?)(4A)(2
                0 OR 40)
L38          60 SEA FILE=HCAPLUS ABB=ON  L31 OR L35
L40        1742 SEA FILE=REGISTRY ABB=ON  7534-94-3/CRN
L42        2250 SEA FILE=REGISTRY ABB=ON  5888-33-5/CRN
L43       73774 SEA FILE=REGISTRY ABB=ON  80-62-6/CRN
L44       46517 SEA FILE=REGISTRY ABB=ON  141-32-2/CRN
L45       18796 SEA FILE=REGISTRY ABB=ON  103-11-7/CRN
L46       60673 SEA FILE=REGISTRY ABB=ON  (L40 OR (L42 OR L43 OR L44 OR L45))
                AND  L17
L47       52474 SEA FILE=HCAPLUS ABB=ON  L46
L49        4384 SEA FILE=HCAPLUS ABB=ON  L47 AND ?BLOCK?
L50       22265 SEA FILE=HCAPLUS ABB=ON  L47 (L)PREP/RL
L51        2324 SEA FILE=HCAPLUS ABB=ON  L49 AND L50
L52         306 SEA FILE=HCAPLUS ABB=ON  L51 AND (TG OR GLASS?(2A)TRANS?)
L53         147 SEA FILE=HCAPLUS ABB=ON  L52 AND PLASTIC?/SC,SX
L54          12 SEA FILE=HCAPLUS ABB=ON  L53 AND ?COMPATI?
L55         284 SEA FILE=HCAPLUS ABB=ON  L50 AND (TRIBLOCK? OR POLYBLOCK?)
L56          29 SEA FILE=HCAPLUS ABB=ON  L52 AND L55
L57          15 SEA FILE=HCAPLUS ABB=ON  L53 AND L56
L59         301 SEA FILE=HCAPLUS ABB=ON  L23 AND (TRIBLOCK? OR POLYBLOCK?)(3A)?
                POLYMER?
L60         126 SEA FILE=HCAPLUS ABB=ON  L59 AND PLASTIC?/SC,SX
L61          19 SEA FILE=HCAPLUS ABB=ON  L60 AND (TG OR GLASS?(2A)TRANS? OR
                ?COMPATI?)
L62          94 SEA FILE=HCAPLUS ABB=ON  L54 OR L57 OR L61 OR L38
L63          82 SEA FILE=HCAPLUS ABB=ON  L62 AND (1840-2003)/PRY,AY,PY
L67          10 SEA FILE=HCAPLUS ABB=ON  L27 AND (1840-2003)/PRY,AY,PY
L68          92 SEA FILE=HCAPLUS ABB=ON  L63 OR L67
L69         104 SEA FILE=HCAPLUS ABB=ON  L13
L70          49 SEA FILE=HCAPLUS ABB=ON  L69(L)PREP/RL
L72          19 SEA FILE=HCAPLUS ABB=ON  L70 AND ?BLOCK?
L75         108 SEA FILE=HCAPLUS ABB=ON  L68 OR L72
L76         102 SEA FILE=HCAPLUS ABB=ON  L75 AND (1840-2003)/PRY,AY,PY
L77          10 SEA FILE=HCAPLUS ABB=ON  L76 NOT (L68 OR L67)
```